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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

HEENEY, Martin , et al

Confirmation No. 3769

Serial No.: 10/725,514

Examiner: Unassigned

Filed: 3 DECEMBER 2003

Group Art Unit: 2811

Title: MONO-, OLIGO- AND POLY-BIS(THIENYL) ARYLENES AND THEIR
USE AS CHARGE TRANSPORT MATERIALS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

Timing and Fees

- ☒ Under 37 C.F.R. § 1.97(b), no fee or statement is required for filing this information disclosure statement is filed:
- ☐ within three months of the filing date of a national application other than a CPA under § 1.53(d);
 - ☐ within three months of the actual filing date of the national phase of a PCT application; OR
 - ☒ before the mailing of a first substantive office action (including after filing of an RCE).
- ☐ Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:
- ☐ a final rejection under 37 C.F.R. 1.113;

☐ termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);
OR

☐ a notice of allowance under 37 C.F.R. § 1.311; and

is accompanied by:

☐ the statement as specified in 37 C.F.R. § 1.97(e) set out below; OR

☐ a check covering the fee of \$180.00 under 37 C.F.R. § 1.17(p).

☐ Under 37 C.F.R. § 1.97(d), this information disclosure statement is filed after the mailing date of the following actions which have not been withdrawn:

☐ a final action under 37 C.F.R. § 1.113;

☐ termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);
OR

☐ a notice of allowance under 37 C.F.R. § 1.311;

AND is filed on or before payment of the issue fee; AND is accompanied by:

☐ the statement as specified in 37 C.F.R. § 1.97(e) as set forth below, and
the fee of \$180.00 under 37 C.F.R. § 1.17(p).

Statements Under 37 C.F.R. 1.97(e)

☐ Each item of information contained in this information disclosure statement was a first cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or

☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the information disclosure statement.

Cited Materials

☐ Copies of materials listed but not attached were cited in benefit (35 U.S.C. § 120) ancestor application Serial No. _____, on Form 892 by the Examiner and/or Form

1449 by the applicant; see 37 C.F.R. § 1.98(d).

- ☒ Copies of materials listed were cited in an international search report dated November 8, 2004.
- ☒ Copies of the materials listed are attached.

Non-English Language References

- ☒ An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).
- ☐ A foreign-language search report from a foreign patent office is provided, and pertinent parts are translated substantively below:
 - X = document of particular relevance when it is taken alone
 - Y = document of particular relevance when it is combined with another such document
 - A = document defining the general state of the art
 - O = non-written disclosure
 - P = intercalated document
 - T = document cited to understand the theory or principle underlying the invention
 - E = patent document which has the benefit of a date earlier than the filing date and which was published only on or after this filing date
 - D = cited in the application
 - L = cited for another reason
 - & = publication of member of same patent family
- ☐ Translation of other relevant information on foreign search report

Other Information

Payment of Fees Due (If Any):

- ☐ A check for \$_____ covering the fee identified above is attached.
- ☐ Please charge to Deposit Account No. 13-3402 \$_____ for the fee identified above.

☒ The Commissioner is hereby authorized to charge or credit any overpayment to Deposit Account #13-3402, two copies of this paper are attached for this purpose.

Respectfully submitted,



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Attorney Docket No. MERCK-2791

Date: December 9, 2004

BPH/rrt

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Attorney Docket Number

Complete if Known

Application Number

10/725.514

Filing Date

December 3, 2003

First Named Inventor

HEENEY, Martin , et al

Group Art Unit

Unassigned

Examiner Name

Unassigned

Attorney Docket Number

MERCK-2791

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/725,514
				Filing Date	December 3, 2003
				First Named Inventor	HEENEY, Martin , et al
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	MERCK-2791
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS			
		Partial European Search Report dated 11/8/2004	
		T. Kawai, et al., Synthetic Metals, vol. 55-57, (1993) pgs. 1608-1613, XP-002304421	
		M. Catellani, et al., Synthetic Metals, vol. 55-57, 1993, pgs. 1188-1192, XP002304422	
		R. Toyoshima et al., Synthetic Metals, vol. 84, (1997), pgs. 431-432, XP-001077754	
		J. Lowe, et al., "Synthesis and Properties of a Sterically Encumbered Poly(Thienylene vinylene): Poly[E-1,2-(4,4'-Dihexyl-2,2'-Dithienyl)Ethylene", Canadian Journal of Chemistry, vol. 76, (1998), pgs. 1524-1529, XP-001073959	
		P. Soudan, et al., Journal of the Electrochemical Society, vol. 148, no. 7, 2001, pgs. A775-A5782, XP-002304423	
		E. H. Elandalousi, et al., J. Am. Chem. Soc., vol. 119, (1997), pgs. 10774-10784, XP-002304424	
		J. Kwan-Yue, et al., Mol. Cryst. Liq. Cryst., vol. 160, (1988), pgs. 69-77, XP-008037899	
		J.M. Maud, et al., Thin Film Materials and Devices - Developments in Science and Technology, Editor J. Marshall, (1999), pgs. 83-87, XP-008037903	

Examiner Signature		Date Considered	
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